The Electric Company®

El Paso Electric

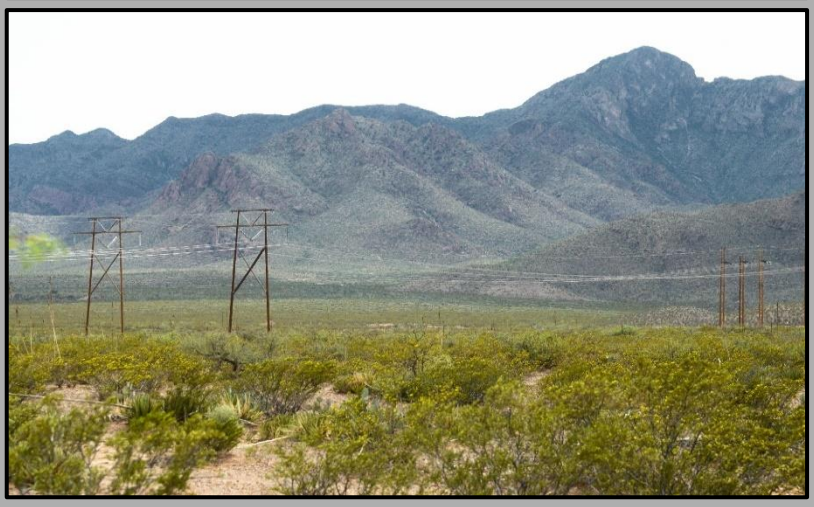
System Expansion Plan

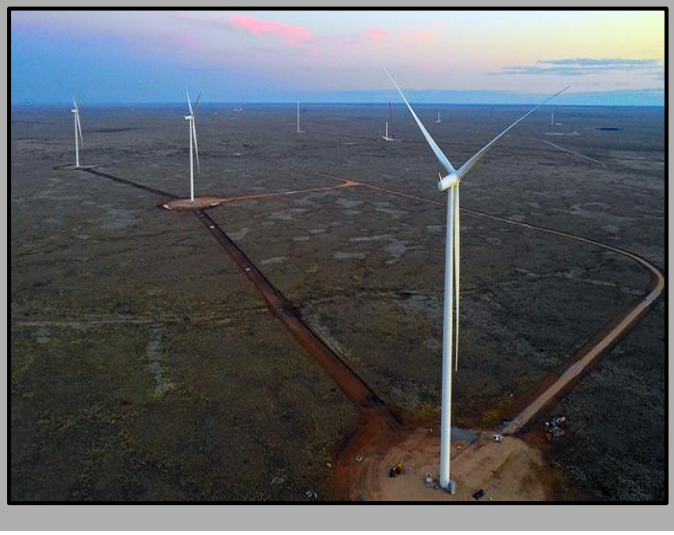
2027-2036

Prepared By:

System Planning
&
Interconnections

2026





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June 12, 2026

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SUBJECT: 2026 System Expansion Plan – 2027-2036

Enclosed is the El Paso Electric Company ("EPE") System Expansion Plan ("The Plan") 2027-2036. The Plan is a forecast of recommended electrical transmission and substation capital additions and/or modifications which, from an internal system planning perspective, are deemed necessary for maintaining adequate system reliability.

The Plan has been prepared by System Planning & Interconnections in collaboration and coordination with multiple EPE departments and is presented here to provide formal recommendations to appropriate management, engineering, and operational personnel for implementation in an economical and timely fashion. System expansion projects have been identified with regards to implementation dates, descriptions, and justifications.

Please acknowledge through your signature your approval for dissemination of the Plan to all external and internal stakeholders.

X Omar Gallegos

Omar Gallegos
VP | SYS PLAN & CONST

1 EXECUTIVE SUMMARY

El Paso Electric Company's ("EPE") System Planning & Interconnections Department performs System Expansion Plan ("Plan") studies annually as described in EPE's Open Access Transmission Tariff ("OATT") Attachment K ("Attachment K"). This process is a technical evaluation of EPE's Bulk Electric System performed for a ten-year planning horizon (currently from 2027 through 2036). The Plan determines system facility additions and upgrades necessary to comply with Western Electricity Coordinating Council ("WECC") and the North American Electric Reliability Corporation ("NERC") reliability requirements under these conditions:

- Equipment will not be loaded more than its normal facility limits for All Facilities in Service ("AFIS").
- Equipment will not be loaded more than its emergency facility limits for any single-element ("N-1") contingency.
- Real-time violations that have been identified because of actual system conditions or real- time contingency analysis will be addressed.
- Conformance with NERC Standard TPL-001-5.1 criteria, as applicable, will be applied to certain planning events.
- Equipment voltage limits (high or low) will not be exceeded.
- System Expansion Projects Scheduled for Completion before Peak of 2027, and Project Schedule for 2027-2036 System Expansion Plan Projects. Future local generation resources serving native load have been identified by EPE Resource Planning input and/or in a 2025 EPE L&R (with updates as of September 2, 2025) as detailed in the Generation Resources are summarized in Table 2. Input from EPE's Resource planning on future generation was taken as modeling assumed this took first assumptions and modeling priority. Second, modeling and assumptions priority for generation retirements and additions were taken from the 2025 EPE L&R (with updates as of September 2, 2025) assumptions.

This Plan's content has been organized as follows:

- An Introduction Section briefly summarizes requirements and scope of the EPE System Expansion Plan
- A Planning Organizations Section lists and summarizes all regional and subregional planning groups that EPE participates in.
- A General Assumptions Section that addresses Load Projections, Demand Side Management, Generation Resources, Reliability Criteria, System Operating Limit ("SOL") Methodology for the Operating Horizon, Open Planning Meetings, and Base Case System Assumptions.
- The Tables Section consists of:
  - Table 1. identifies Peak Energy Efficiency Adjustment assumed for the current System Expansion Plan.
  - Table 2. identifies Projected EPE Local Generation assumed for the current System Expansion Plan.

- Table 3. identifies projects (driven by Transmission System Needs) scheduled for completion before the peak of 2027.
- Table 4. lists new or modified projects driven by Transmission System needs for the current System Expansion Plan's first five (5) years: 2027-2031.
- Table 5. lists new or modified projects driven by Transmission System needs for the current System Expansion Plan's last five (5) years: 2032-2036.
- Table 6. identifies reactive support projects identified in the current System Expansion Plan.

- A description of major EPE planned projects, driven by Transmission System Needs, for each year is provided under the Transmission Project Summary. Information includes the Project Name, Operating Voltage, Planned in Service Date, Project Description, and Project Justification.

The basis for native system peak demand projections has historically been set by EPE's annual Long-Term Forecast Report. Typically, EPE System Planning applies the forecasted native system MW demand for each future year by starting with the expected value from the most recent Long-Term Forecast Report and adding 50% of the difference between the upper bound and the expected value (i.e., modeled within peak/summer powerflow cases). Incorporated within EPE's 2025 Long-Term Forecast Report and the 2025 Loads and Resources with updates as of September 2, 2025 ("L&R") are EPE Public Policy requirements. It is in this manner that Public Policy requirements are considered in the Plan. Based on EPE's historical peak load growth in the last five (5) years, there were several years with an average load growth above 100 MW. Therefore, in this year's plan, EPE System Planning used the following approach:

- Planning years 1-5 were increased by 100 MW of annual load.
- For planning years 6-7, the system load growth was increased by 50 MW.
- For planning years 8-10, the system load growth was increased by 30 MW.
- For all planning years, the system load growth was scaled by zones.

EPE System Planning, in coordination with Distribution Planning & other Departments, identified the high growth areas and decided on this load methodology to more accurately reflect the rapidly growing areas in EPE's service territory.

The system performance analyses presented in this Plan include an assessment of outage impacts, generator interconnection impacts, and economic planning evaluations. The major projects identified within this report are represented in Section 6 – EPE Transmission Planned Project Maps by geographical area and estimated in-service year.

2 INTRODUCTION

El Paso Electric Company's ("EPE") System Planning & Interconnections Department performs System Expansion Plan ("Plan") studies annually as described in EPE's Open Access Transmission Tariff ("OATT") Attachment K ("Attachment K"). This process is a technical evaluation of EPE's Bulk Electric System performed for a ten-year planning horizon (currently from 2027 through 2036). The Plan determines system facility additions and upgrades necessary to comply with Western Electricity Coordinating Council ("WECC") and the North American Electric Reliability Corporation ("NERC") reliability requirements under these conditions:

- Equipment will not be loaded more than its normal facility limits for All Facilities in Service ("AFIS").
- Equipment will not be loaded more than its emergency facility limits for any single- element ("N-1") contingency.
- Real-time violations that have been identified because of actual system conditions or real-time contingency analysis will be addressed.
- Conformance with EPE's Planning Criteria for NERC Standard TPL-001-5.1 will be applied to certain planning events.
- Equipment voltage limits (high or low) will not be exceeded.

The projects presented within El Paso Electric Company System Expansion Plan 2027-2036 are a result of technical analyses performed by the System Planning & Interconnections Department. This new Plan updates and replaces EPE's previous 2026-2035 System Expansion Plan.

3 PLANNING ORGANIZATIONS

EPE engages in regional and subregional planning organizations. EPE's participation in these planning organizations facilitates EPE's coordination of its transmission plans with the plans of the other transmission providers/entities. See EPE's OATT, Attachment K for more details on how these activities relate to EPE's planning process.

3.1 Regional Planning Organizations

3.1.1 Western Electricity Coordinating Council (WECC)

EPE actively participates in WECC committees.

WECC is a non-profit corporation approved by the Federal Energy Regulatory Commission (FERC) to serve as the Regional Entity tasked with assuring a reliable Bulk Electric System in the Western Interconnection geographical area of the United States of America.

3.1.2 WestConnect

EPE actively participates in the WestConnect regional transmission planning process.

WestConnect members collaboratively assess stakeholder needs and may develop cost-effective transmission projects. EPE is an active member participant in the WestConnect regional transmission planning process established by FERC Order No. 1000.

3.2 Subregional Planning Group

3.2.1 Southwest Area Transmission (SWAT) Subregional Planning Group

EPE actively participates in the activities of the Southwest Area Transmission (SWAT) Subregional Planning Group that is comprised of transmission regulators/governmental entities, transmission users, transmission owners, transmission operators, and environmental entities.

The SWAT addresses future transmission needs on a subregional basis.

4 GENERAL ASSUMPTIONS

4.1 Load Projections

EPE's Long-Term Forecast Report provides energy and native system peak demand projections. The 2025 Forecast predicted a 10-year CAGR of 3.8% for native system peak demand. The 2025 Forecast predicted a Native System Energy increase for 2025 of 4.1% compared to the year 2024. The 2025 Forecast also predicted that Native System Peak Demand in 2025 will increase 1.3% compared to the 2024 peak. The Forecast includes demand side management and energy efficiency programs as detailed in the next section.

The basis for native system peak demand projections has historically been set by EPE's annual Long-Term Forecast Report. Typically, EPE System Planning applies the forecasted native system MW demand for each future year by starting with the expected value from the most recent Long-Term Forecast Report and adding 50% of the difference between the upper bound and the expected value (i.e., modeled within peak/summer powerflow cases). Incorporated within EPE's 2025 Long-Term Forecast Report and the 2025 Loads and Resources with updates as of September 2, 2025 ("L&R") are EPE Public Policy requirements. It is in this manner that Public Policy requirements are considered in the Plan. However, in this year's plan, EPE System Planning used the following approach:

- Planning Years 1-5 were increased by 100 MW of annual load.
- For Planning Years 6-7, the system load growth was increased by 50 MW.
- For Planning Years 8-10, the system load growth was increased by 30 MW.
- For all planning years, the system load growth was scaled by zones.

EPE System Planning, in coordination with Distribution Planning & other Departments, identified the high growth areas and decided on this load methodology to more accurately reflect the rapidly growing areas in EPE's service territory.

Each substation load was projected for the planning years based on available historical 2025 coincident peak load, Distribution System's monthly (non-coincident) load reports, load projections from the latest 2025 Distribution Expansion Plan Report update ("2025 Distribution Plan Update"), plus other input from EPE Distribution planning, and input from EPE's Load Forecasting and Commercial Services departments. EPE System Planning & Interconnections Group forecasts future substation loads by substation transformers based on these inputs.

4.2 Demand Side Management

In Attachment K within EPE's OATT (posted on EPE's website at www.epelectric.com), EPE includes demand side resources through energy efficiency programs to mitigate the need for new transmission. Mandated energy efficiency goals accounted for in the Forecast are shown on Table 1.

EPE expects an increase in its total cumulative energy efficiency load adjustments compared to the previous forecast. The 2025 Forecast shows a continuous increase in the energy efficiency demand adjustment with a projected peak of 101 MW by 2034.

Demand savings achieved through the EPE Energy Efficiency Programs are across all customer classes and across the whole transmission system. No single project or customer provides a significant amount of demand savings to dramatically impact the transmission system.

4.3 Generation Resources

EPE's Resource Planning Department ("RP") identified future generation resources and purchased power to serve native load in its 2025 Loads & Resources 2026-2045 document ("L&R") dated September 2, 2025, and from further input from EPE's Resource Planning Department to this document. This document compares owned resources and power purchases against forecasted load to determine new resources that may be needed. Furthermore, the document provides future resources and by resource fuel types that will be required to satisfy the demand forecast.

System Planning & Interconnections modeled generation based on the L&R and other documents while developing the Plan. The resource generation mix consists of photovoltaic ("PV"), battery energy storage system ("BESS"), gas, and/or steam turbines. The generation reflected in Table 2 – Projected EPE Local Generation was assumed in the System Expansion Plan modeling.

4.4 Reliability Criteria

The Plan follows Good Utility Practice and planning as described in EPE's OATT Attachment K. It uses a deterministic approach for transmission system planning. Each annual review verifies that modeling, assumptions, and planned facilities meet WECC and NERC compliance requirements under normal (N-0), and single contingency (N-1) conditions for EPE's transmission area. Under these two conditions, the network must be operated within WECC, NERC and EPE's Planning Criteria for NERC Standard TPL-001-5.1 to supply projected customer loads and firm transmission services over the ten-year planning horizon. In addition, for this 2026 Plan, there was some consideration to study results for initially-out-of-service (IOS) single bulk electric system (BES) element conditions. The Plan uses steady state powerflow analyses to identify transmission projects (facility upgrades and/or additions) required to mitigate any criteria violations with the goal of providing sufficient lead time to incorporate them. The Plan summarizes each

individual expansion project's scope, in- service date, justification, and purpose. Additionally, EPE reviews operational planning cases to determine transmission line loading conditions, mitigation practices, and the need to upgrade transmission lines to facilitate operational needs and practices.

The Plan focuses on facilities under heavy summer coincidental peak demand conditions which are typically considered worst case scenarios for EPE's system since EPE is a summer peaking utility. Heavy Winter cases are examined as well.

EPE strives to complete all system improvements in a prudent, safe, and timely fashion. Nevertheless, scheduling factors may delay projects, forcing EPE to apply temporary alternatives or measures to mitigate potential overloads.

4.5 Southwest Power Pool Reliability Coordinator Area System Operating Limit Methodology Western Interconnection Revision 2.1

On April 1, 2026, Revision 3.1 of the Southwest Power Pool Reliability Coordinator Area System Operating Limit Methodology Western Interconnection went into effect. The latest revision of these methodology documents requires that EPE operate its system in the pre-contingency state (All-Facilities-in-Service, AFIS) so that all facilities shall be within their normal (continuous) facility (thermal) ratings and that for the post-contingency state for single (element) contingencies, all facilities shall be within their emergency facility (thermal) ratings.

4.6 Open Planning Meetings

The transmission planning process, per Attachment K, includes Open Planning meetings while developing this Plan. Two meetings were held -- one in September 2025 and the second in March 2026 -- to allow third party participants to review or submit data and request studies of potential Stakeholder needs. Stakeholders are allowed to submit data up to the posted due dates to be incorporated into EPE's Plan case models. Data submitted after the due dates will not be incorporated into the current Plan, although they will be considered in the next year's planning cycle, if applicable. To date, no applicable Stakeholder data has been submitted to EPE that was incorporated into the Plan. The purpose of the Plan is to identify and evaluate, on a regular basis, future electric transmission system modifications and additions or alternatives that may be required to serve the anticipated area load growth, existing third-party customers' transmission needs, Public Policy requirements and NERC/WECC reliability requirements in the EPE service territory for a ten-year planning horizon.

4.7 Plan Case System Assumptions

System expansion analyses utilize powerflow studies and stability studies for each Plan year from 2027 through 2036. These analyses incorporated in-progress system expansion projects assumed to be completed before the peak of 2027. System modeling also includes the following assumptions:

- The forecasted substation load for each Plan year was adjusted to the modified projected coincidental peak loads using the Forecast and historical load data.
- Generation, system configuration, imports, and interchange schedules -- including contractual agreements with third-party entities -- were set according to load demand in each Plan case.
- Plan cases modeled PNM's Afton G1 and Afton S1 as "Off" when the Arroyo PST power flow was set to 151 MW north to south.
- Eddy County flow from the DC tie was modeled at zero (0) MW open ended at the Artesia bus in each of the Plan cases.
- EPE's share of Southern New Mexico Imports ("SNMI") was set at a schedule of 645 MW (per contractual rights) and EPE imports ("EPI") at 747 MW in all Plan cases.
- No on-line generation was modeled at Lordsburg. Luna Energy Facility ("LEF") was left as scheduled in the WECC cases used with the assumption that 100 MW scheduled to EPE under the Phelps Dodge (Freeport) Exchange Agreement and additional power from LEF to EPE, if needed, to meet EPI of 747 MW.
- The rebuilding of 69 kV lines will be designed to operate at 115 kV to support conversion of the EPE 69 kV systems to 115 kV future operational use. Lines will operate at their planned voltage until future conversions are implemented.
- The 59 MVAR line shunt reactor at the Hidalgo 345 kV Substation bus end of the Hidalgo-Greenlee 345 kV Line, the 49 MVAR line shunt reactor at the Macho Springs 345 kV Substation bus end of the Macho-Springerville 345 kV Line, and the 80 MVAR line shunt reactor at the Amrad 345 kV Substation bus end of the Amrad-Empire 345 kV Line are "must-on" line shunt reactors for every Plan case. However, the Luna 345 kV Line shunt reactors were modeled on or off as needed; these reactors can be switched off during an outage of a Path 47 345 kV line.

Note that the final generation sites may have not yet been determined for the resource additions called for in the L&R to be phased in from 2027 to 2036. Therefore, the transmission configuration used in the Plan studies may change requiring different upgrades assumed in future interconnection and facility studies, per FERC's Large Generator Interconnection Procedures ("LGIP").

4.8 Case Development

4.8.1 WECC-Approved Cases

Plan cases were developed with the General Electric Positive Sequence Load Flow ("GE- PSLF") program, which was used for the numerous powerflow, and contingency studies performed for the Plan. Each case

is a “database” of the WECC transmission system -- originating from the latest “WECC cases” for the appropriate year. These WECC-approved Heavy Summer and Light Winter base cases contain system configurations and conditions from other nearby Transmission Planners. System Planning & Interconnections then incorporates EPE’s latest forecasted loads, expected generation resources, both of which incorporate EPE’s Public Policy requirements, and any topology changes not already included in the WECC-supplied cases. Many projects listed in the previous plan are removed (or reverted to the existing topology) to re-verify their needs and schedule in the current Plan.

4.8.2 Topology Changes

In addition to the most current load and generation updates, System Planning & Interconnections incorporates topology changes not already included in the WECC-supplied cases such as planned substation- level and transmission changes. Substation changes, such as those detailed in EPE’s latest 2025 Distribution Plan Update with updates document, include capacity upgrades, additions, deletions, location changes, and/or postponements. Planned transmission changes typically include capacity upgrades, additions, deletions, location changes, and postponements that are usually driven by the substation-level changes, generation changes, other studies (e.g., those in the LGIP), or routing changes due to regulatory orders or right-of-way issues or other input.

If a newly planned substation is postponed, any transmission changes associated with that substation may also be postponed. This may affect study results since many future projects depend on previously identified improvements. Factors such as those identified above may affect completion dates. Where completion targets are not achieved, or in instances in which EPE experiences more rapid load growth than forecasted, EPE evaluates and identifies short-term corrective measures to mitigate impacts, as necessary.

Table 3 shows expansion projects that were called for and budgeted in the last Plan (2026-2035) but are now re-scheduled to be completed before the peak of 2027. These projects have been modeled in the 2027 Plan cases and beyond to help mitigate potential contingency overloads.

New or modified Plan projects are summarized in Tables 4 & 5 and detailed in each year’s project descriptions.

4.9 System Improvement Methodology

After Plan cases were modified as outlined above, contingency analyses are performed for each Plan year to identify reliability criteria violations on EPE facilities within EPE’s service area. If violations were identified, mitigating improvements (e.g., Plan projects) were added to EPE’s transmission system. Each year’s Plan cases carried over the previous year’s system improvements. These upgrades will be reflected in the following year’s assessment.

Some Plan projects are a result of studies performed outside of System Planning & Interconnections, such as those from the LGIP, third-party generators or Transmission Service Requests while others are incorporated from the latest EPE capital budget. Projects listed in the Plan are specific to the expansion of the EPE internal electrical transmission system. Any projects outside the local electrical system planning area may be evaluated in separate studies.

Additionally, the Plan does not normally include maintenance projects nor external system expansion projects other than those in the WECC-approved base cases. Furthermore, projects associated with non-EPE large generator interconnections are not included unless a Large Generator Interconnection Agreement (LGIA) has been executed.

4.10 Project's Summary Explained

Tables 4 and 5 identify each year's system improvements. It also includes generic projects as "Additional Future Capital Improvements" added in each year to serve as placeholders in areas of the system where it is difficult, at present, to identify whether and how much specific transmission infrastructure may be necessary. In most cases, System Planning & Interconnections recommends a completion date by May of the given year (unless otherwise noted), to support peak summer load.

The Plan also contains a brief description and justification for each planned system improvement broken down by year (included in Section 7 – Transmission Project Summary). The planned in-service date of the recommended system improvement projects reflects the date the project was modeled to meet planning requirements, and it does not represent the construction completion date of the project.

Table 6 lists reactive devices needed in various locations of EPE's system scheduled for 2027-2036. This is to improve EPE's reactive capability and voltages profiles.

4.11 Acknowledgements

This document was prepared by EPE System Planning & Interconnections in collaboration with contributions from the following EPE departments: Distribution Systems, TSR Engineering, Asset Management Services, Load Research & Data Analytics, Resource Planning, System Operations, and other EPE departments or personnel. Supporting documentation for the numerous studies is not included in this document due to space constraints.

5 TABLES

Table 1. Yearly Peak Energy Efficiency Adjustment

Calendar Year	Total Energy Efficiency Demand Adjustment (MW)	Calendar Year	Total Energy Efficiency Demand Adjustment (MW)
2025	10	2030	62
2026	21	2031	72
2027	31	2032	83
2028	41	2033	93
2029	52	2034	101

Table 2. Projected EPE Local Generation

Generator	Type	Capacity (MW)	Recent/Planned In-Service Date (Month-YY)	Planned Retirement	Notes
In-Service					
Airport	Photovoltaic (PV)	12		Dec.36	1
Chihuahuan Solar	Photovoltaic (PV)	10			1
Chaparral	Photovoltaic (PV)	10		Dec.36	1
Patriot	Photovoltaic (PV)	10			1
Hatch	Photovoltaic (PV)	5		Dec.35	1
Roadrunner	Photovoltaic (PV)	20		Dec.30	1
Macho Springs	Photovoltaic (PV)	50		Dec.33	
Buena Vista	PV/Battery Storage	120 (120 Solar 50 Battery)			
Carne	PV/Battery Storage	130 (130 Solar, 65 Battery)			
Copper	Gas Combustion Turbine	63		Dec.30	
Felina	Photovoltaic (PV)	150			
Milagro	PV/Battery Storage	150 (150 Solar, 75 Battery)			
MPS 1	Gas Combustion Turbine	90			
MPS 2	Gas Combustion Turbine	90			
MPS 3	Gas Combustion Turbine	90			
MPS 4	Gas Combustion Turbine	90			

Generator	Type	Capacity (MW)	Recent/Planned In-Service Date (Month-YY)	Planned Retirement	Notes
Newman G1	Gas Fired Steam Turbine	74			
Newman G2	Gas Fired Steam Turbine	74		Dec.-27	
Newman G3	Gas Fired Steam Turbine	93		Dec.-31	
Newman 4 GT1	Gas Combustion Turbine	70		Dec.-31	
Newman 4 GT2	Gas Combustion Turbine	70		Dec.-31	
Newman 4 ST1	Combined Cycle HRSG	80		Dec.-31	
Newman 5 GT3	Gas Combustion Turbine	70			
Newman 5 GT4	Gas Combustion Turbine	70			
Newman 5 ST2	Combined Cycle HRSG	148			
Newman 6 GT5	Gas Combustion Turbine	228			
Rio Grande G6	Gas Fired Steam Turbine	45			2
Rio Grande G7	Gas Fired Steam Turbine	44			
Rio Grande G8	Gas Fired Steam Turbine	139		Dec.33	
Rio Grande G9	Gas Combustion Turbine	88			
Santa Teresa	PV/Battery Storage	150 (150 Solar, 150 Battery)			
2026					
NMCS	PV/Battery Storage	30 (30 Solar, 30 Battery)	May-26		1,3
2027					
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	100	Feb-27		3
Renewable Generation Stand-alone Battery	Battery Storage	100	Feb-27		3
Buena Vista III	PV/Battery Storage	100 (100 Solar, 100 Battery)	Apr-27		3
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	100	Dec-27		3

Generator	Type	Capacity (MW)	Recent/Planned In-Service Date (Month-YY)	Planned Retirement	Notes
Renewable Generation Stand-alone Battery	Battery Storage	50	Dec-27		3
2028					
Renewable Generation Solar & Battery	PV/Battery Storage	250 (250 Solar, 125 Battery)	Dec-28		3
2029					
Renewable Generation Stand-alone Battery	Battery Storage	200	May-29		3
Renewable Generation Solar & Battery	PV/Battery Storage	150 (150 Solar, 150 Battery)	May-29		3
2030					
CTR1	Gas Combustion Turbine	488	May-30		3,4
Renewable Generation Stand-alone Wind	Wind	24	May-30		3,4
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	139	May-30		3,4
Renewable Generation Stand-alone Battery	Battery Storage	655	May-30		3,4
2031					
CTR2	Gas Combustion Turbine	67	May-31		3,4
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	92	May-31		3,4
2032					
CTR3	Gas Combustion Turbine	183	May-32		3,4
Renewable Generation Stand-alone Wind	Wind	234	May-32		3,4

Generator	Type	Capacity (MW)	Recent/Planned In-Service Date (Month-YY)	Planned Retirement	Notes
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	168	May-32		3,4
2033					
CTR4	Gas Combustion Turbine	40	May-33		3,4
Renewable Generation Stand-alone Wind	Wind	8	May-33		3,4
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	31	May-33		3,4
2034					
CTR5	Gas Combustion Turbine	159	May-34		3,4
Renewable Generation Stand-alone Wind	Wind	5	May-34		3,4
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	173	May-34		3,4
2035					
CTR6	Gas Combustion Turbine	54	May-35		3,4
Renewable Generation Stand-alone Wind	Wind	6	May-35		3,4
Renewable Generation Stand-alone Solar	Photovoltaic (PV)	57	May-35		3,4
Renewable Generation Stand-alone Battery	Battery Storage	5	May-35		3,4
2036					
CTR7	Gas Combustion Turbine	48	May-36		3,4
Renewable Generation Stand-alone Wind	Wind	6	May-36		3,4

Generator	Type	Capacity (MW)	Recent/Planned In-Service Date (Month-YY)	Planned Retirement	Notes
Renewable Generation Stand-alone Battery	Battery Storage	23	May-36		3,4

Notes:

1. This photovoltaic generation connects into EPE's Distribution System.
2. Classified as Retired.
3. LGIA Ratings.
4. Planned Facilities Pending Studies to determine location.

5.1 Project Changes from 2026 EPE Plan

5.1.1 Completed Projects & Projects Nearing Completion

Summarized in Table 3 are EPE's System Expansion Projects scheduled for completion before the peak of year 2027 (in-service date expected prior to or on June 1, 2027, subject to engineering judgement on exceptions).

Table 3. System Expansion Projects Scheduled for Completion Before Peak of 2027

All projects below are modeled in the 2027 Plan Case

System Upgrade Needed	Location of Upgrade	Improvement Identification	Planned/Actual In-Service Date
2026			
115 kV Substation & Related 115 kV Line Reconfiguration	McCloud East Substation	New substation to help address expected load growth and mitigate potential N-1 overloads.	Jan-26
Rebuild, Reconductor, Voltage Conversion from 69 kV to 115 kV	San Felipe-Sparks 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads.	Jan-26
Reconductor	Pellicano-Montwood 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads.	May-26
Rebuild, Reconductor	Rio Grande-Sunset 69 kV Lines (5500/5600)	Improve system reliability by addressing and mitigating N-1 overloads.	May-26

System Upgrade Needed	Location of Upgrade	Improvement Identification	Planned/Actual In-Service Date
New 115 kV Capacitors (2x15.9 MVAR)	Eastlake Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-26
New 115 kV Capacitors (2x15.9 MVAR)	San Felipe Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-26
115/69 kV Substation & Related 69 kV Line Reconfiguration	Bovee Substation	New substation to help address expected load growth in the area.	Dec-26
115 kV Substation & Related 115 kV Line Reconfiguration	Eastwind Substation	New substation to help address expected load growth in the area.	Dec-26
New 115 kV Capacitors (2x15.9 MVAR)	Bovee Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	Dec-26
New 115 kV Capacitors (2x15.9 MVAR)	Eastwind Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	Dec-26
2027			
Reconductor	Caliente-Vista 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads expected due to expected Generation increase in the area.	Jan-27
Reconductor & Line Reconfiguration	Chaparral-Escondido 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads expected due to expected generation & load increase in the area.	Jan-27

System Upgrade Needed	Location of Upgrade	Improvement Identification	Planned/Actual In-Service Date
115 kV Substation & Related 115 kV Line Reconfiguration	Marvin Substation	New substation to help address expected load growth in the area.	May-27
115 kV Substation & Related 115 kV Line Reconfiguration	Seabeck Substation	New substation to help address expected load growth in the area.	May-27
115 kV New Circuit	Marvin-Seabeck 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads caused by expected load growth in the area.	May-27
Reconductor	Caliente-Diamond Head 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads expected due to expected generation increase in the area.	May-27
Reconductor	Rio Grande-Ripley 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads expected due to expected Load increase in the area.	May-27
Rebuild, Reconductor	Thorn-Ripley 115 kV Line	Improve system reliability by addressing and mitigating N-1 overloads.	May-27
Reconductor	Americas-Bovee 69 kV Line	Improve system reliability by addressing and mitigating N-1 overloads.	May-27
Reconductor	Lane-Americas 69 kV Line	Improve system reliability by addressing and mitigating N-1 overloads.	May-27
New 115 kV Capacitors (2x15.9 MVAR)	Dieter (EA-1) Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-27

System Upgrade Needed	Location of Upgrade	Improvement Identification	Planned/Actual In-Service Date
New 115 kV Capacitors (2x15.9 MVAR)	Domenici (WS-3) Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-27
New 115 kV Capacitors (1x15.9 MVAR)	Firestone (EA-2) Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-27
New 115 kV Capacitors (2x15.9 MVAR)	Marvin Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-27
New 115 kV Capacitors (2x15.9 MVAR)	Montecillo (CE-2) Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-27
Additional 69 kV Capacitors (1x15.9 MVAR)	Rio Bosque Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-27
New 115 kV Capacitors (3x15.9 MVAR)	Windermere (FE-7) Substation	Increase reactive capacitive support in the area to improve voltage profile in the area during high load conditions.	May-27

5.1.2 Planned EPE Bulk Electric System Transmission Projects:

Planned EPE Bulk Electric System Projects driven by transmission system needs with projected in-service dates between 2027-2036 as needed to support the local EPE transmission system are summarized in Tables 4 & 5 that follow. Transmission Projects in-service dates shown in Section 7 may differ from the completion dates identified in Tables 4 and 5 due to budgetary constraints.

Table 4. Project Schedule (2027-2031)

Year	Project Description	Expected/Target Completion Date Month-Year
2027	Caliente-Vista 115 kV Line (Reconductor)	Jan-27
	Chaparral-Escondido 115 kV Line (Reconductor) & Line Reconfiguration	Jan-27
	Marvin (FE-6) Switching Station 115 kV (New) & Related 115 kV Line Reconfigurations	May-27
	Seabeck 115 kV Switching Station (New) & Related 115 kV Line Reconfiguration	May-27
	Marvin-Seabeck 115 kV Line (New)	May-27
	Caliente-Diamond Head 115 kV Line (Reconductor)	May-27
	Rio Grande-Ripley 115 kV Line (Reconductor)	May-27
	Thorn-Ripley 115 kV Line (Rebuild, Reconductor)	May-27
	Americas-Bovee 69 kV Line (Reconductor)	May-27
	Lane-Americas 69 kV Line (Reconductor)	May-27
	Dieter (EA-1 Substation 115 kV 2x15.9 MVAR Capacitor Bank	May-27
	Domenici (WS-3) Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-27
	Firestone (EA-2) Substation 115 kV 1x15.9 MVAR Capacitor Bank (New)	May-27
	Marvin Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-27
	Montecillo (CE-2) Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-27
	Rio Bosque 69 kV 1x15.9 MVAR Capacitor Bank (New)	May-27
	Windermere (FE-7) Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)	May-27
	Lava 345 kV Substation (New) & Related 345 kV Line Reconfiguration	Oct-27
	Eastlake-Sparks 115 kV Line Reconfiguration (In-and-Out at Wiwynn 115 kV Substation)	Oct-27
	Wiwynn-Sparks 115 kV Line (Reconductor)	Oct-27
2028	McCloud Central 345 kV Substation (New) & Related 345 kV Line Reconfiguration	Jan-28
	McCloud West 345 kV Substation (New) & Related 345 kV Line Reconfiguration	Jan-28
	Afton North 345 kV Switching Station (New)	May-28
	Airport 345/115 kV Substation (New)	May-28

Year	Project Description	Expected/Target Completion Date Month-Year
	Vado 345/115 kV Substation (New) & Related 345 kV Line Reconfiguration	May-28
	Rattlesnake 115 kV Substation (New) & Related 115 kV Line Reconfiguration	May-28
	Dyer Substation (Voltage Conversion) 69 kV to 115 kV	May-28
	Afton North-Airport 345 kV Line (New)	May-28
	Afton-Afton North 345 kV Line (New)	May-28
	Afton North-Vado 345 kV Line (New)	May-28
	Eastwind-Rattlesnake 115 kV Line (New)	May-28
	Anthony-Vado 115 kV Line (Rebuild, Reconductor)	May-28
	Jornada-Leasburg 115 kV Line (Reconductor)	May-28
	Salopek-Vado 115 kV Line (Rebuild, Reconductor)	May-28
	Airport 345/115 kV Power Transformer (New)	May-28
	Vado 345/115 kV Power Transformers T1 & T2 (New)	May-28
	Airport Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)	May-28
	Leasburg Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-28
	McCloud Central Substation ± 200 MVAR STATCOM (New)	May-28
	New MPS Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-28
	West Mesa-Arroyo 345 kV Line Shunt Reactor (50-100 MVAR) (New)	May-28
	Woodrow (WS-4) Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)	May-28
	WS-2 Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-28
2029	Wellman 115 kV Substation (New) & Related 115 kV Line Reconfiguration	Mar-29
	Pine 345/115 kV Substation (New) & Related 115 kV Line Reconfiguration	May-29
	Tornillo 345/115/69 kV Switching Station (New) & Related 69 kV Line Reconfiguration	May-29
	Caliente-Pine 345 kV Line (New)	May-29
	McCloud Central-Pine 345 kV Line (New)	May-29
	Luna-Diablo 345 kV Line Reconfiguration (In-and-Out at Lava 345 kV Substation)	May-29
	Americas Substation (Voltage Conversion) 69 kV to 115 kV	May-29
	Americas-Bovee (Voltage Conversion, Rebuild, Reconductor) 69 kV to 115 kV	May-29

Year	Project Description	Expected/Target Completion Date Month-Year
	Americas-Lane (Voltage Conversion, Rebuild, Reconductor) 69 kV to 115 kV	May-29
	Americas-Bovee 115 kV Line Reconfiguration (In-and-Out at Wellman 115 kV Substation)	May-29
	Americas-Lane 115 kV Line Reconfiguration (In-and-Out at Wiwynn 115 kV Substation)	May-29
	Bovee-Tornillo 115 kV Line (New)	May-29
	San Felipe-Tornillo 115 kV Line (New)	May-29
	Tornillo-Wicked 115 kV Line (New)	May-29
	Wellman-Wiwynn 115 kV Line (New)	May-29
	Clint-San Felipe 69 kV Line (Reconductor)	May-29
	Pine 345/115 kV Power Transformer (New)	May-29
	Pine Substation 115kV 2x15.9 MVAR Capacitor Bank (New)	May-29
	Thorn Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-29
2030	Mirage 345 kV Switching Station (New) & Related 345 kV Line Reconfiguration	May-30
	Tuskegee 345/115 kV Substation (New)	May-30
	T_W1 345/115 kV Switching Station (New) & Related 345 kV Line Reconfiguration	May-30
	Airport-Mirage 345 kV Line (New)	May-30
	McCloud West-Vado 345 kV Line (New)	May-30
	Tornillo-Tuskegee 345 kV Line (New)	May-30
	Tuskegee-Pine 345 kV Circuit 1 (New)	May-30
	T_W1-Domenici (WS-3) 115 kV Line (New)	May-30
	Rio Bosque-Ascarate 69 kV Line (Reconductor)	May-30
	Socorro-Valley 69 kV Line (Reconductor)	May-30
	Tornillo 345/115 kV Power Transformer (New)	May-30
	T_W1 345/115 kV Power Transformer (New)	May-30
	Enchantment (WS-1) Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)	May-30
	McCombs Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-30
2031	Airport-Arroyo 115 kV Line (New)	May-31
	Escondido-Oro Grande 115 kV Line (Reconductor)	May-31
	Oro Grande-Amrad 115 kV Line (Reconductor)	May-31

Year	Project Description	Expected/Target Completion Date Month-Year
	Bovee-Valley 69 kV Line (Reconductor)	May-31
	HVDC Tie Replacement (New)	May-31
	Amrad 345/115 kV Power Transformer (New)	May-31

Notes:

1. Table does not include maintenance projects except for transmission line rebuilds and or conductor upgrades.
2. System Planning & Interconnections recommends completion prior to May for the given to aid with the summer peak period.

Table 5. Project Schedule (2032-2036)

Year	Project Description	Expected/Target Completion Date Month-Year
2032	Ascarate-Trowbridge 115 kV Line (Reconductor)	May-32
	Rattlesnake-Tuskegee 115 kV Line (New)	May-32
	Newman-Milagro 115 kV Line (Reconductor)	May-32
	Tuskegee 345/115 kV Power Transformer (New)	May-32
	CE-3 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-32
2033	Bovee-North Loop 115 kV Line (New)	May-33
	Anthony-Newman 115 kV Line (Reconductor)	May-33
	Jornada-Arroyo 115 kV Line (Reconductor)	May-33
	Alamo-Neely 69 kV Line Reconfiguration (In-and-Out at Tornillo 69 kV Substation)	May-33
	Tornillo 115/69 kV Power Transformer (New)	May-33
2034	Tuskegee-Pine 345 kV Circuit 2 (New)	May-34
	Anthony-Talavera 115 kV Line (Reconductor)	May-34
	Arroyo-Apollo 115 kV Line Reconfiguration (In-and-Out at Moongate 115 kV Substation)	May-34
	Apollo-Moongate 115 kV Line (Reconductor)	May-34
	Arroyo-Moongate 115 kV Line (Reconductor)	May-34
	Diablo-Verde 115 kV Line (Reconductor)	May-34
	Marlow-Trowbridge 115 kV Line (Rebuild, Reconductor)	May-34
	Newman - McCombs 115 kV Line Circuit 1 (Reconductor)	May-34

Year	Project Description	Expected/Target Completion Date Month-Year
	Newman - McCombs 115 kV Line Circuit 2 (Reconductor)	May-34
	EA-3 69 kV 2x15.9 MVAR Capacitor Bank (New)	May-34
2035	Future-4 345/115 kV Substation (New)	May-35
	Future-4-Tuskegee 115 kV Line (New)	May-35
	Future-4-Wiwynn 115 kV Line (New)	May-35
	Arroyo-Talavera 115 kV Line (Reconductor)	May-35
	Montoya-Thorn 115 kV Line (Reconductor)	May-35
	Newman - Roberts 115 kV Line Circuit 1 (Reconductor)	May-35
	Santa Teresa-Verde 115 kV Line (Reconductor)	May-35
	Future-4 115 kV 2x15.9 MVAR Capacitor Bank (New)	May-35
2036	Future-4-Tornillo 345 kV Line (New)	May-36
	Future-4-Tuskegee 345 kV Line (New)	May-36
	Caliente-MPS 115 kV Circuit 1 (Partial Reconductor)	May-36
	Caliente-MPS 115 kV Circuits 2&3 Common Structure Separation	May-36
	Montoya-Nuway 115 kV Line (Reconductor)	May-36
	Rio Grande-Executive-Sunset North 115 kV Path (Rebuild, Reconductor)	May-36
	Escondido 345/115 kV Power Transformer #2	May-36
	Future-4 345/115 kV Power Transformer (New)	May-36

Notes:

1. Table above does not include maintenance projects except for transmission line rebuilds and or conductor upgrades.
2. System Planning & Interconnections recommends completion prior to May for the given to aid with the summer peak period.

5.2 Planned EPE Reactive Device Projects

Planned EPE reactive device projects with projected in-service dates between 2027-2036 needed to support the local EPE transmission system are summarized in Table 5 below. The in-service dates shown in Section 7 may differ from the completion dates identified in Table 5 due to budgetary or procurement constraints.

Table 6. Reactive Project Schedule

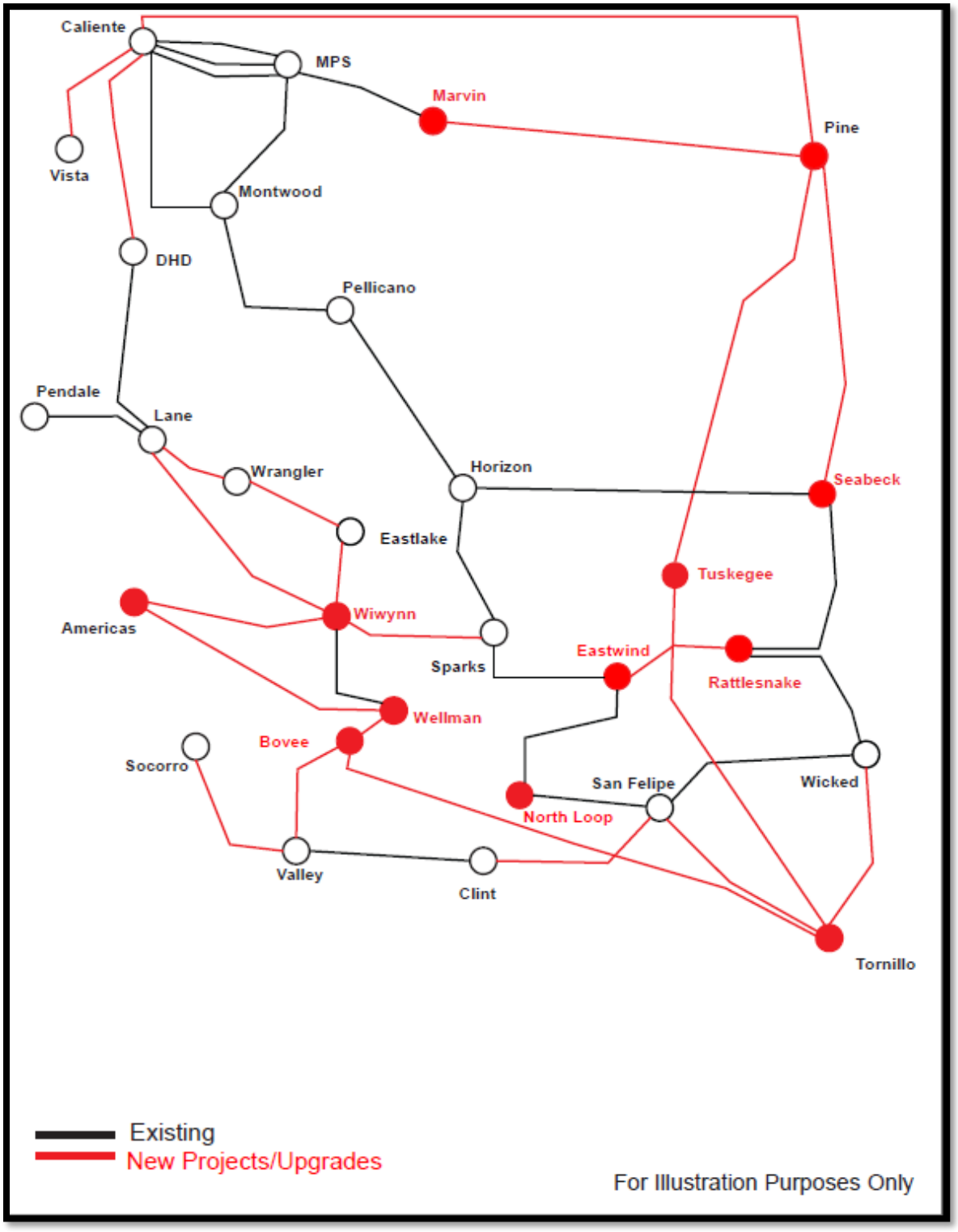
Year	Project Description	System Upgrade Needed	Expected/Target Completion Date Month-Year
2026	Eastlake	New 115 kV Capacitors (2x15.9 MVAR)	May-26
	San Felipe	New 115 kV Capacitors (2x15.9 MVAR)	May-26
	Bovee	New 115 kV Capacitors (2x15.9 MVAR)	Dec-26
	Eastwind	New 115 kV Capacitors (2x15.9 MVAR)	Dec-26
2027	Dieter (EA-1) Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-27
	Domenici (WS-3) Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-27
	Firestone (EA-2) Substation	New 115 kV Capacitors (1x15.9 MVAR)	May-27
	Marvin Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-27
	Montecillo (CE-2) Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-27
	Rio Bosque Substation	New 69 kV Capacitor (1x15.9 MVAR)	May-27
	Windermere (FE-7) Substation	New 115 kV Capacitors (3x15.9 MVAR)	May-27
2028	Airport Substation	New 115 kV Capacitors (3x15.9 MVAR)	May-28
	Leasburg Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-28
	McCloud Central	New STATCOM (±200 MVAR)	May-28
	New MPS Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-28
	Arroyo Substation West Mesa-Arroyo 345 kV Line	New 345 kV Shunt Reactor (50-100 MVAR)	May-28

Year	Project Description	System Upgrade Needed	Expected/Target Completion Date Month-Year
	Woodrow (WS-4) Substation	New 115 kV Capacitors (3x15.9 MVAR)	May-28
	WS-2 Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-28
2029	Pine Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-29
	Thorn Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-29
2030	Enchantment (WS-1) Substation	New 115 kV Capacitors (3x15.9 MVAR)	May-30
	McCombs Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-30
2032	CE-3 Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-32
2034	EA-3 Substation	New 69 kV Capacitors (2x15.9 MVAR)	May-34
2035	Future-4 Substation	New 115 kV Capacitors (2x15.9 MVAR)	May-35

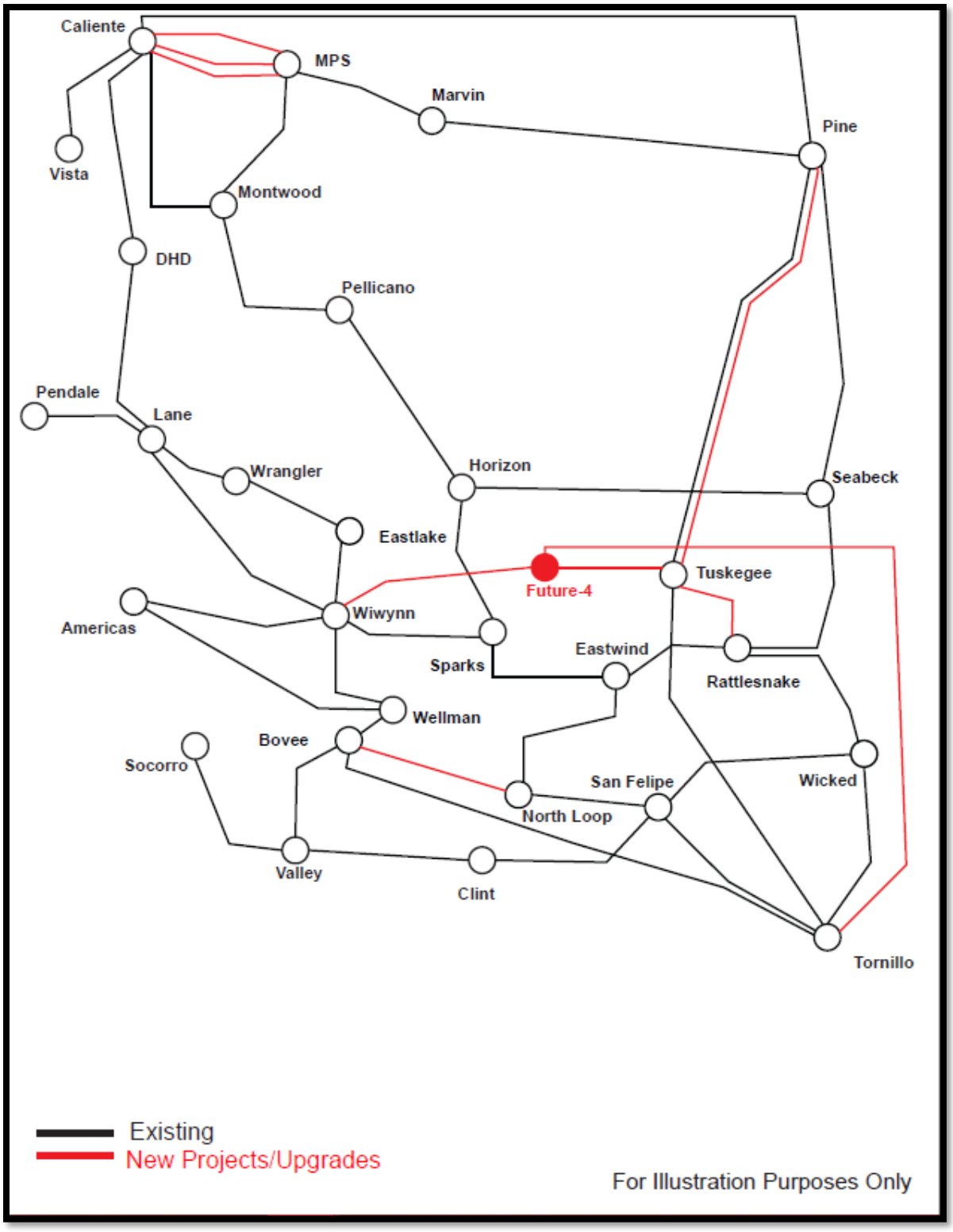
6 EPE TRANSMISSION PLANNED PROJECTS MAPS

6.1 NEW TRANSMISSION PROJECTS MAPS

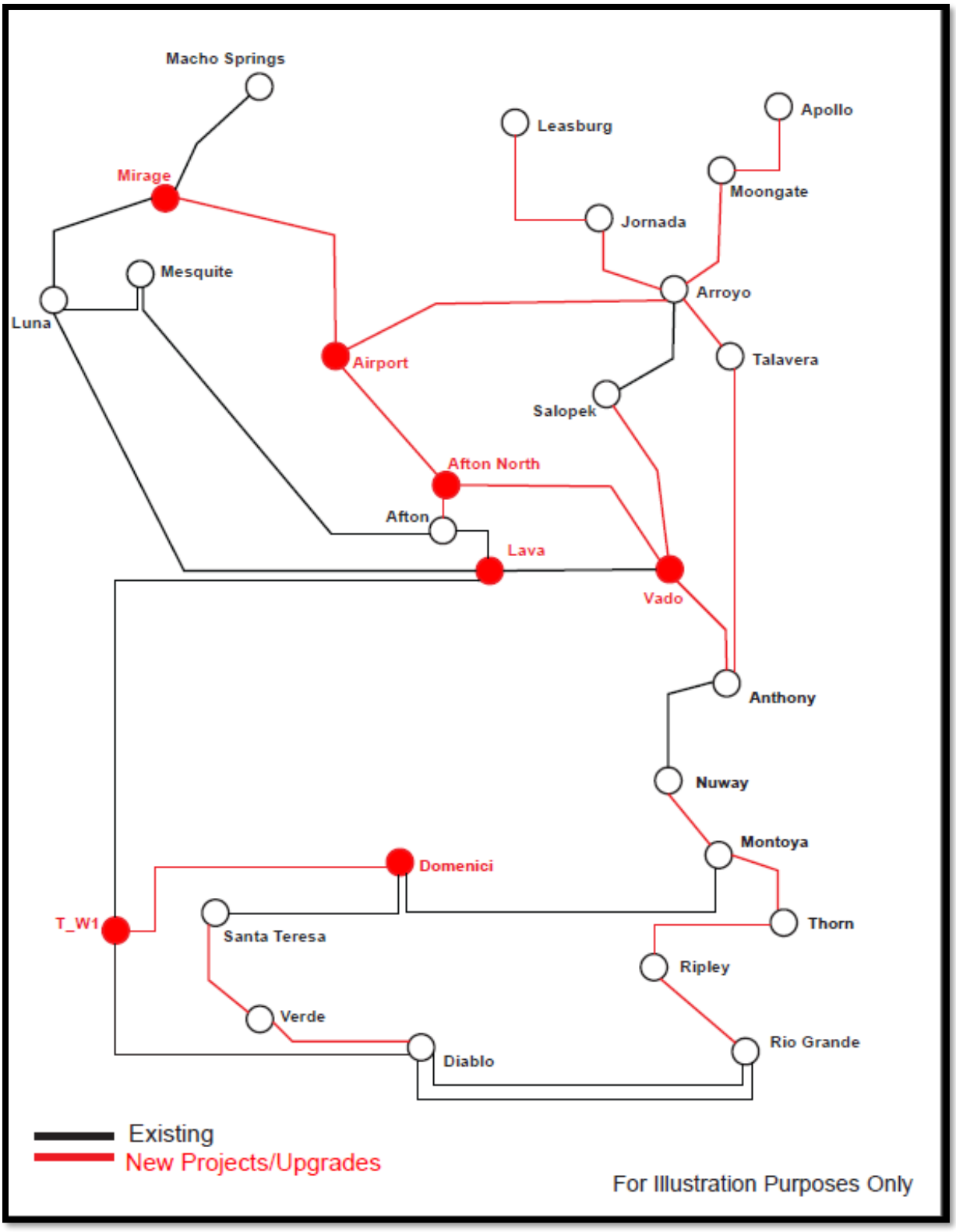
MAP 1. EAST & FAR EAST AREA (2027-2031)



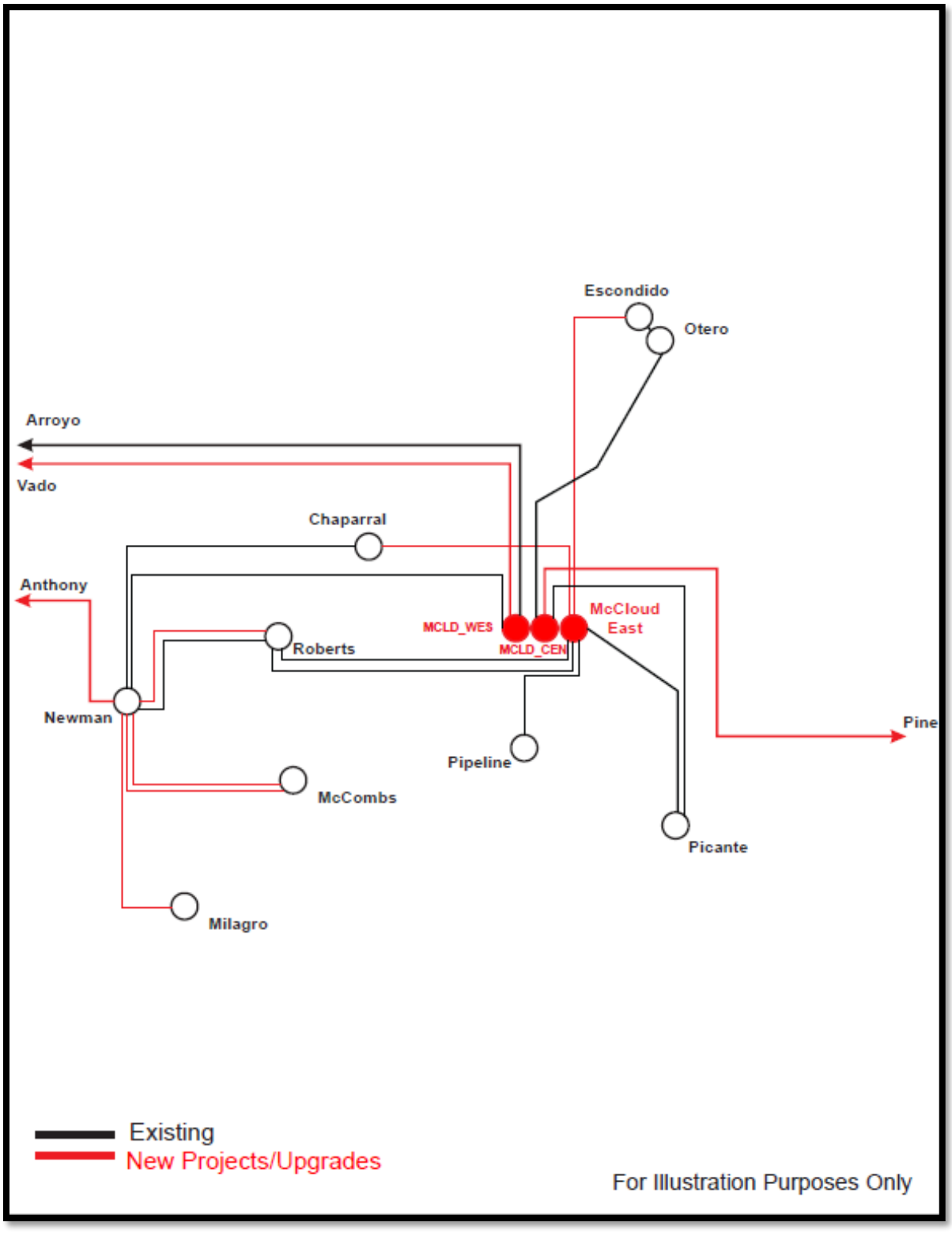
MAP 2. EAST & FAR EAST REGION (2032-2036)



MAP 3. WEST AREA (2027-2036)



MAP 4. NORTHEAST AREA (2027-2036)



7 TRANSMISSION PROJECT SUMMARY

7.1 Transmission Project Summary Template

TRANSMISSION PROJECT SUMMARY

Transmission Projects will be identified with the following format.

PLANNED PROJECTS
YEAR XXXX

Project Name: Commonly used name by El Paso Electric Company for a transmission or substation system expansion capital project. Projects of a normal maintenance nature and those located external to the EPE's transmission network are normally not included here.

Operating Voltage: The operational voltage level(s) of the system element(s).

In-Service Date: This is recommended project completion date. In general, it is recommended that projects be completed by May of the installation year, so that the anticipated system peak load demand is met.

Project Description: A general description of the project.

Project Justification: Project need is identified.

7.2 Transmission Projects in 2027

PLANNED PROJECTS
YEAR 2027

Project Name: Caliente-Vista 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: January 2027

Project Description: This project consists of the reconductoring of a 115 kV transmission line from Caliente to Vista with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation increase in the East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Chaparral-Escondido 115 kV Line (Reconductor) & Line Reconfiguration

Operating Voltage: 115 kV

In-Service Date: January 2027

Project Description: This project consists of the reconductoring of a 115 kV transmission line from Chaparral to Escondido with a minimum normal and emergency capacity rating of 760 MVA. Additionally, the reconfiguration will consist of cutting the Chaparral to Escondido 115 kV Line to introduce the McCloud East 115 kV Substation. With the introduction of McCloud East 115 kV Substation, the new 115 kV path is Chaparral to McCloud East to Escondido.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation and large load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Marvin (FE-6) Switching Station 115 kV (New) & Related 115 kV Line Reconfigurations

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: This project involves the construction of a new Marvin (FE6) 115 kV Substation, which will be replacing the Coyote & Coyote Temp Substations. The replacement consists of the following: A reconfiguration of transmission and distribution circuits to the new Marvin Substation. The existing 115 kV Circuits that will be rerouted to the new Marvin Substation are as follows: Coyote to Triumph, Coyote to MPS, and Coyote to Dell City. The new 115 kV Circuits will be: Marvin to Triumph, Marvin to MPS, and Marvin to Dell City. Additionally, there will be a removal of the Coyote Temp Substation that is currently tapped off the Montwood to MPS 115 kV Line. This substation will be part of the East Side Loop Expansion Project.

Project Justification: This project is a part of the East Side Loop Expansion Project and is needed to address expected development and load growth in the East and Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Seabeck 115 kV Switching Station (New) & Related 115 kV Line Reconfiguration

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: This project involves the construction of a new Seabeck 115 kV Switching Station that will be part of the East Side Loop Expansion Project. The 115 kV Line Reconfiguration will consist of splitting the existing Horizon to Wicked 115 kV Line to introduce Seabeck Substation. The new Path will consist of Horizon to Seabeck to Wicked 115 kV Circuits.

Project Justification: This project is a part of the East Side Loop Expansion Project and is needed to address expected development and load growth in the East and Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Marvin-Seabeck 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: This project consists of constructing a new 115 kV transmission line from Marvin to Seabeck with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project is a part of the East Side Loop Expansion Project and is needed to address expected development and load growth in the East and Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Caliente – Diamond Head 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of reconductoring the Caliente to Diamond Head 115 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation increase in the East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Rio Grande-Ripley 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of reconductoring the Rio Grande to Ripley 115 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected large load growth in the West El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Thorn-Ripley 115 kV Line (Rebuild, Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: This project consists of reconductoring the Thorn to Ripley 115 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Americas-Bovee 69 kV Line (Reconductor)

Operating Voltage: 69 kV

In-Service Date: May 2027

Project Description: The project consists of reconductoring the future Americas to Bovee 69 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 230 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2027

Project Name: Lane-Americas 69kV Line (Reconductor)

Operating Voltage: 69 kV

In-Service Date: May 2027

Project Description: The project consists of reconductoring the Lane to Americas 69 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 230 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads. This transmission circuit will be converted to 115 kV in later years. It is suggested that the reconductoring and/or rebuild of the Lane to Americas 69 kV Line considers this future voltage conversion.

PLANNED PROJECTS
YEAR 2027

Project Name: Dieter (EA-1) Substation 115 kV 2x15.9 MVAR Capacitor Bank

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the East El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2027

Project Name: Domenici (WS-3) Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the West El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2027

Project Name: Firestone (EA-2) Substation 115 kV 1x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of the addition of a single-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the East El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2027

Project Name: Marvin Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Far East El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2027

Project Name: Montecillo (CE-2) Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the West El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2027

Project Name: Rio Bosque 69 kV 1x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 69 kV

In-Service Date: May 2027

Project Description: The project consists of the addition of an additional single-stage 15.9 MVAR to the existing bus shunt capacitor bank connected to the 69 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the East El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2027

Project Name: Windermere (FE-7) Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2027

Project Description: The project consists of the addition of a three-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Far East El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2027

Project Name: Lava 345 kV Substation (New) & Related 345 kV Line Reconfiguration

Operating Voltage: 345 kV

In-Service Date: Oct 2027

Project Description: This project consists of the construction of a new Lava 345 kV Substation. The reconfiguration will consist of cutting into the Afton to Newman 345 kV Line to introduce the new Lava 345 kV Substation. The new 345 kV Path will now become the Afton to Lava to Newman 345 kV Path.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation increase in the West area.

PLANNED PROJECTS
YEAR 2027

Project Name: Eastlake-Sparks 115 kV Line Reconfiguration (In-and-Out at Wiwynn 115 kV Substation)

Operating Voltage: 115 kV

In-Service Date: Oct 2027

Project Description: The Eastlake to Sparks 115 kV Line Reconfiguration consists of several elements. The Reconfiguration will consist of splitting the Eastlake to Sparks 115 kV Line to introduce the Wiwynn 115 kV Substation. The Path will now become the Eastlake to Wiwynn to Sparks 115 kV Path.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial growth in the Far East El Paso area.

PLANNED PROJECTS
YEAR 2027

Project Name: Wiwynn-Sparks 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: Oct 2027

Project Description: This project consists of reconductoring the Wiwynn to Sparks 115 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial growth in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

7.3 Transmission Projects in 2028

PLANNED PROJECTS
YEAR 2028

Project Name: McCloud Central 345 kV Substation (New) & Related 345 kV Line Reconfiguration

Operating Voltage: 345 kV

In-Service Date: January 2028

Project Description: This project consists of the construction of a new McCloud Central 345 kV Substation. The reconfiguration will consist of cutting into the existing Otero to Picante 345 kV Line to introduce the new McCloud Central 345 kV Substation. The new 345 kV Path will now become the Otero to McCloud Central to Picante 345 kV Path.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected large load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: McCloud West 345 kV Substation (New) & Related 345 kV Line Reconfiguration

Operating Voltage: 345 kV

In-Service Date: January 2028

Project Description: This project involves the construction of a new McCloud West 345 kV Substation. The 345 kV Line Reconfigurations consists of splitting the Newman to Arroyo 345 kV Line to introduce the McCloud West 345 kV Substation. The new 345 kV Path will now become the Newman to McCloud West to Arroyo 345 kV Path.

Project Justification: This project has been identified as part of facilities required to address expected large load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Afton North 345 kV Switching Station (New)

Operating Voltage: 345 kV

In-Service Date: May 2028

Project Description: This project involves the construction of a new Afton North 345 kV Switching Station. The Afton North 345 kV Bus will be used to connect multiple 345 kV Circuits to increase the reliability and strength of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area, has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of the 345 kV System by having the 345 kV Lines out of Afton North address contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Airport 345/115 kV Substation (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2028

Project Description: This project involves the construction of a new Airport 345/115 kV Substation. The Airport 345 & 115 kV Buses will be used to connect multiple circuits at these voltage levels to increase the reliability of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area, has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will provide the ability to serve increasing load in the west Las Cruces area and will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Vado 345/115 kV Substation (New) & Related 345 kV Line Reconfiguration

Operating Voltage: 345/115 kV

In-Service Date: May 2028

Project Description: The addition of Vado 345/115 kV Substation involves several elements. First, the 345 kV Line Reconfiguration involves an in-and-out connection on the existing Lava to Newman 345 kV transmission line. With new terminations into Vado 345 kV, the 345 kV Path will now become Lava to Vado 345 kV Line and the Vado to Newman 345 kV Line. It is also planned to add an additional Afton North to Vado 345 kV Line and two new Vado 345/115 kV power transformers to connect the Vado 345 kV system with the 115 kV System. With the addition of Vado Substation in 2028, there will also be an in-and-out connection on the Anthony to Salopek 115 kV Line resulting in the Anthony to Vado 115 kV and Vado to Salopek 115 kV Lines thereafter.

Project Justification: This project, along with the 345 kV & 115 kV in the area, has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of the Transmission System by having the 345 & 115 kV circuits out of Vado address contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Rattlesnake 115 kV Substation (New) & Related 115 kV Line Reconfiguration

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: This project involves the construction of a new Rattlesnake 115 kV Substation. The 115 kV Line Reconfiguration consists of splitting the Seabeck to Wicked 115 kV Line to introduce Rattlesnake Substation. The new path will now become the Seabeck to Rattlesnake to Wicked 115 kV path.

Project Justification: This project is needed to address expected generation and load growth in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Dyer Substation (Voltage Conversion) 69 kV to 115 kV

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: This project involves the conversion of the Dyer 69 kV Bus to 115 kV. This involves the conversion of the following elements from 69 kV to 115 kV: Dyer to Austin Transmission Line, Distribution Transformers T1 & T2.

Project Justification: The conversion from 69 kV to 115 kV results in increased reliability by addressing and mitigating existing contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Afton North-Airport 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2028

Project Description: A new 345 kV transmission line is planned to be built from Afton North Substation to Airport Substation with a minimum normal and emergency capacity rating of 2320 MVA. The Afton North to Airport connection will become one of the main serving points for the Airport Substation. Additionally, this 345 kV Circuit is part of the proposed Western 345 kV Transmission Path that has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will provide the ability to serve increasing load in the west Las Cruces area and will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Afton-Afton North 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2028

Project Description: A new 345 kV transmission line is planned to be built from Afton Substation to Afton North Substation with a minimum normal and emergency capacity rating of 2320 MVA. Additionally, this 345 kV Circuit is part of the proposed Western 345 kV Transmission Path that has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Afton North-Vado 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2028

Project Description: A new 345 kV transmission line is planned to be built from Afton North Substation to Vado Substation with a minimum normal and emergency capacity rating of 2320 MVA. Additionally, this 345 kV Circuit is part of the proposed Western 345 kV Transmission Path that has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Eastwind-Rattlesnake 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: This project consists of the construction of a new 115 kV transmission line from Eastwind to Rattlesnake with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Anthony-Vado 115 kV Line (Rebuild, Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: With the addition of Vado Substation in 2028, there will be an in-and-out connection on the Anthony to Salopek 115 kV Line resulting in the Anthony to Vado 115 kV and Vado to Salopek 115 kV Lines thereafter. By this year, with the addition of Vado Substation and these connections, additional capacity will be needed on the 115 kV lines out of Vado Substation. The new capacity of the Anthony to Vado 115 kV Line will have a minimum of 380 MVA under normal and emergency conditions.

Project Justification: The increased capacity of this line will allow EPE to serve West El Paso load from the Afton and Vado area increasing reliability and adding system flexibility under contingency and maintenance situations. This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC).

PLANNED PROJECTS
YEAR 2028

Project Name: Jornada-Leasburg 115 kV (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: Leasburg 115 kV Substation is part of a cut-in that consists of the reconfiguration of the existing Jornada to Hatch 115 kV Circuit. The new 115 kV Path will now become the Jornada to Leasburg to Hatch 115 kV Path. This project also consists of reconductoring the Jornada to Leasburg 115 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Salopek-Vado 115 kV Line (Rebuild, Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: With the addition of Vado Substation, there will be an in-and-out connection on the Anthony to Salopek 115 kV Line resulting in the Anthony to Vado 115 kV and Vado to Salopek 115 kV Lines thereafter. With the addition of Vado Substation and these connections, additional capacity will be needed on the 115 kV lines out of Vado Substation. The new capacity of the Vado to Salopek 115 kV Line will have a minimum of 380 MVA under normal and emergency conditions.

Project Justification: The increased capacity of this line will allow EPE to serve West El Paso load from the Afton and Vado area, increasing reliability and adding system flexibility under contingency and maintenance situations. This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC).

PLANNED PROJECTS
YEAR 2028

Project Name: Airport 345/115 kV Power Transformer (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2028

Project Description: The addition of this 345/115 kV Power Transformer is part of the proposed Western 345 kV Transmission Path that has been identified to increase the strength and reliability of EPE's Transmission System. This 345/115 kV power transformer will serve as the connection point from the load at Airport to its serving point through the 345 kV Line from Airport to Afton North.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will provide the ability to serve increasing load in the west Las Cruces area and will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2028

Project Name: Vado 345/115 kV Power Transformers T1 & T2 (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2028

Project Description: The addition of these two 345/115 kV Power Transformers are part of the proposed Western 345 kV Transmission Path that has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of EPE's Transmission System by adding system flexibility under contingency and maintenance situations. Each of these autotransformers will be a backup for each other under planned or unplanned out-of-service conditions of one of them.

PLANNED PROJECTS
YEAR 2028

Project Name: Airport Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: The project consists of the addition of a three-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the West area under peak load conditions.

PLANNED PROJECTS
YEAR 2028

Project Name: Leasburg Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Las Cruces area under peak load conditions.

PLANNED PROJECTS
YEAR 2028

Project Name: McCloud Central ±200 MVAR STATCOM (New)

Operating Voltage: 345 kV

In-Service Date: May 2028

Project Description: The project consists of the addition of a new ±200 MVAR STATCOM connected to the 345 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Northeast area.

PLANNED PROJECTS
YEAR 2028

Project Name: New MPS Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Far East El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2028

Project Name: West Mesa – Arroyo 345 kV Line Shunt Reactor (50-100 MVAR) (New)

Operating Voltage: 345 kV

In-Service Date: May 2028

Project Description: The project consists of the addition of a new 50 to 100 MVAR in-line reactor on the West Mesa to Arroyo 345 kV Line.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Southern New Mexico area of EPE's Service Territory.

PLANNED PROJECTS
YEAR 2028

Project Name: Woodrow (WS-4) Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: The project consists of the addition of a three-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the West El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2028

Project Name: WS-2 Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2028

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the West El Paso area under peak load conditions.

7.4 Transmission Projects in 2029

PLANNED PROJECTS
YEAR 2029

Project Name: Wellman 115 kV Substation (New) & Related 115 kV Line Reconfiguration

Operating Voltage: 115 kV

In-Service Date: Mar 2029

Project Description: This project involves the construction of the new Wellman 115 kV Substation. The reconfiguration will consist of cutting into what will be the Americas to Bovee 115 kV Line to introduce the new Wellman 115 kV Substation. The new 115 kV Path will now become the Americas to Wellman to Bovee 115 kV Path.

Project Justification: This project is needed to address expected development and load growth in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Pine 345/115 kV Substation (New) & Related 115 kV Line Reconfiguration

Operating Voltage: 345/115 kV

In-Service Date: May 2029

Project Description: This project involves the construction of a new Pine 345/115 kV Substation. The 115 kV Line Reconfiguration consists of splitting the Seabeck to Marvin 115 kV Line to introduce Pine Substation. The new 115 kV Path will now become the Marvin to Pine to Seabeck 115 kV Path. The Pine 345 & 115 kV Buses will be used to connect multiple circuits at these voltage levels as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. It has been identified to increase the reliability of EPE's Transmission System. The additional 345 & 115 kV circuits out of Pine will address and mitigate any contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Tornillo 345/115/69 kV Switching Station (New) & Related 69 kV Line Reconfiguration

Operating Voltage: 345/115/69 kV

In-Service Date: May 2029

Project Description: This project involves the construction of a new Tornillo 345/115/69 kV Substation. The 69 kV Line Reconfiguration consists of splitting the Alamo to Neely 69 kV Line to introduce the 69 kV Tornillo Bus. The new 69 kV Path will now become the Alamo to Tornillo to Neely 69 kV Path. The Tornillo 345 & 115 kV Buses will be used to connect multiple circuits at these voltage levels as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System. The additional 345 & 115 kV circuits out of Tornillo will address and mitigate any contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Caliente-Pine 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2029

Project Description: A new 345 kV transmission line is planned to be built from Caliente Substation to Pine Substation with a minimum normal and emergency capacity rating of 2320 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: McCloud Central-Pine 345 kV (New)

Operating Voltage: 345 kV

In-Service Date: May 2029

Project Description: A new 345 kV transmission line is planned to be built from McCloud Central Substation to Pine Substation with a minimum normal and emergency capacity rating of 2320 MVA.

Project Justification: This project has been identified as a facility upgrade needed to address expected development and commercial load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Luna-Diablo 345 kV Line Reconfiguration (In-and-Out at Lava 345 kV Substation)

Operating Voltage: 345 kV

In-Service Date: May 2029

Project Description: The Luna to Diablo 345 kV Line Reconfiguration consists of cutting into this line to connect to the Lava 345 kV Substation. The new 345 kV Path will now become the Luna to Lava to Diablo 345 kV Path. Additionally, this 345 kV Reconfiguration has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Americas Substation (Voltage Conversion) 69 kV to 115 kV

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: This project involves the conversion of the Americas 69 kV Bus to 115 kV. This involves the conversion of the following from 69 kV to 115 kV: Americas to Lane & Americas to Bovee Transmission Line, and Distribution Transformer T1.

Project Justification: The conversion from 69 kV to 115 kV results in increased reliability by addressing and mitigating existing contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Americas-Bovee (Voltage Conversion, Rebuild, Reconductor) 69 kV to 115 kV

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: This project involves the conversion of the Americas-Bovee 69 kV Line to 115 kV. This project also consists of a reconductoring of the Americas to Bovee 115 kV transmission line with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The conversion from 69 kV to 115 kV results in increased reliability by addressing and mitigating existing contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Americas-Lane (Voltage Conversion, Rebuild, Reconductor) 69 kV to 115 kV

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: This project involves the conversion of the Americas-Lane 69 kV Line to 115 kV. This project also consists of reconductoring the Americas to Lane 115 kV transmission line with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The conversion from 69 kV to 115 kV results in increased reliability by addressing and mitigating existing contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Americas-Bovee 115 kV Line Reconfiguration (In-and-Out at Wellman 115 kV Substation)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: The reconfiguration will consist of cutting into the existing Americas to Bovee 115 kV Line to introduce the new Wellman 115 kV Substation. The new 115 kV Path will now become the Americas to Wellman to Bovee 115 kV Path.

Project Justification: This project is needed to address expected development and load growth in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Americas-Lane 115 kV Line Reconfiguration (In-and-Out at Wiwynn 115 kV Substation)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: The reconfiguration will consist of cutting into the existing Americas to Lane 115 kV Line to introduce the Wiwynn 115 kV Substation. The new 115 kV Path will now become the Americas to Wiwynn to Lane 115 kV Path.

Project Justification: This project is needed to address expected development and load growth in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Bovee-Tornillo 115kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: A new 115 kV transmission line is planned to be built from Bovee Substation to Tornillo Substation with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation and load increase in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: San Felipe-Tornillo 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: A new 115 kV transmission line is planned to be built from San Felipe Substation to Tornillo Substation with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation and load increase in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Tornillo-Wicked 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: A new 115 kV transmission line is planned to be built from Tornillo Substation to Wicked Substation with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation increase in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Wellman-Wiwynn 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: A new 115 kV transmission line is planned to be built from Wellman Substation to Wiwynn Substation with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as a need under the current plan procedures. This project is needed to address expected development and load growth in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Clint-San Felipe 69 kV Line (Reconductor)

Operating Voltage: 69 kV

In-Service Date: May 2029

Project Description: The project consists of reconductoring the Clint to San Felipe 69 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 230 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation increase in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2029

Project Name: Pine 345/115 kV Power Transformer (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2029

Project Description: This project identifies a new Pine 345/115 kV power transformer to connect the 345 kV & 115 kV Buses at Pine Substation. The addition of the 345/115 kV power transformer has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project will increase the strength and reliability of EPE's Transmission System by adding system flexibility under certain contingency conditions.

PLANNED PROJECTS
YEAR 2029

Project Name: Pine Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Far East El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2029

Project Name: Thorn Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2029

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the West El Paso area under peak load conditions.

7.5 Transmission Projects in 2030

PLANNED PROJECTS
YEAR 2030

Project Name: Mirage 345 kV Switching Station (New) & Related 345 kV Line Reconfiguration

Operating Voltage: 345 kV

In-Service Date: May 2030

Project Description: This project involves the construction of a new Mirage 345 kV Switching Station. The 345 kV Line reconfiguration consists of splitting the existing Macho Springs to Luna 345 kV circuit to introduce the Mirage 345 kV Substation. The new Path will now become the Luna to Mirage to Macho Springs 345 kV Circuits. The Mirage 345 kV Bus will be used to connect multiple 345 kV Circuits in an effort to increase the reliability and strength of EPE's Transmission System.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of the 345 kV System by having the 345 kV Lines out of Mirage address contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: Tuskegee 345/115 kV Substation (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2030

Project Description: This project involves the construction of a new Tuskegee 345/115 kV Substation. The Tuskegee 345 & 115 kV Buses will be used to connect multiple circuits at these voltage levels as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project has been identified as a need under the current plan procedures. This project addresses expected generation and commercial/industrial load growth in the Far East El Paso area. It has been identified to increase the reliability of EPE's Transmission System. The additional 345 & 115 kV circuits out of Tuskegee will address and mitigate any contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: T_W1 345/115 kV Switching Station (New) & Related 345 kV Line Reconfiguration

Operating Voltage: 345/115 kV

In-Service Date: May 2030

Project Description: This project involves the construction of a new T_W1 345/115 kV Switching Station. The 345 kV Line reconfiguration consists of splitting the Lava to Diablo 345 kV circuit to introduce the T_W1 345/115 kV Substation. The new Path will consist of Lava to T_W1 to Diablo 345 kV Circuits. The T_W1 345 & 115 kV Buses will be used to connect multiple circuits at these voltage levels as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the West area. It has been identified to increase the reliability of EPE's Transmission System. The additional 345 & 115 kV circuits out of T_W1 will address and mitigate any contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: Airport-Mirage 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2030

Project Description: A new 345 kV transmission line is planned to be built from Airport Substation to Mirage Substation with a minimum normal and emergency capacity rating of 2320 MVA. The Airport to Mirage connection will become one of the main serving points for the Airport Substation.

Project Justification: This project, along with the other new 345 kV & 115 kV lines in the area has been identified as part of the new Western 345 kV Transmission Path family of projects that will increase EPE's Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will provide the ability to serve increasing load in the west Las Cruces area and will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: McCloud West-Vado 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2030

Project Description: A new 345 kV transmission line is planned to be built from McCloud West Substation to Vado Substation with a minimum normal and emergency capacity rating of 2320 MVA. Additionally, this 345 kV Circuit is part of the proposed Western 345 kV Transmission Path that has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the Northeast El Paso area. This project is part of the new Western 345 kV Transmission Path family of projects that have been identified to increase the Southern New Mexico Import Capability (SNMIC) & El Paso Import Capability (EPIC). Additionally, this project will strengthen the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: Tornillo-Tuskegee 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2030

Project Description: A new 345 kV transmission line is planned to be built from Tornillo Substation to Tuskegee Substation with a minimum normal and emergency capacity rating of 2320 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: Tuskegee-Pine 345 kV Circuit1 (New)

Operating Voltage: 345 kV

In-Service Date: May 2030

Project Description: A new 345 kV transmission line is planned to be built from Tuskegee Substation to Pine Substation with a minimum normal and emergency capacity rating of 2320 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: T_W1-Domenici (WS-3) 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2030

Project Description: A new 115 kV transmission line is planned to be built from T_W1 Substation to Domenici Substation with a minimum normal and emergency capacity rating of 380 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the West area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: Rio Bosque-Ascarate 69 kV Line (Reconductor)

Operating Voltage: 69 kV

In-Service Date: May 2030

Project Description: The project consists of reconductoring the Rio Bosque to Ascarate 69 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 230 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: Socorro-Valley 69 kV Line (Reconductor)

Operating Voltage: 69 kV

In-Service Date: May 2030

Project Description: The project consists of reconductoring the Socorro to Valley 69 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 230 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2030

Project Name: Tornillo 345/115 kV Power Transformer (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2030

Project Description: This project identifies a new Tornillo 345/115 kV power transformer to connect the 345 kV & 115 kV Buses at Tornillo Substation. The addition of the 345/115 kV power transformer has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project will strengthen the reliability of EPE's Transmission System by adding system flexibility under certain contingency conditions.

PLANNED PROJECTS
YEAR 2030

Project Name: T_W1 345/115 kV Power Transformer (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2030

Project Description: This project identifies a new T_W1 345/115 kV power transformer to connect the 345 kV & 115 kV Buses at T_W1 Substation. The addition of the 345/115 kV power transformer has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the West area. Additionally, this project will strengthen the reliability of EPE's Transmission System by adding system flexibility under certain contingency conditions.

PLANNED PROJECTS
YEAR 2030

Project Name: Enchantment (WS-1) Substation 115 kV 3x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2030

Project Description: The project consists of the addition of a three-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the West El Paso area under peak load conditions.

PLANNED PROJECTS
YEAR 2030

Project Name: McCombs Substation 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2030

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Northeast El Paso area under peak load conditions.

7.6 Transmission Projects in 2031

PLANNED PROJECTS
YEAR 2031

Project Name: Airport-Arroyo 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2031

Project Description: This project consists of constructing a new 115 kV transmission line from Airport to Arroyo with a minimum normal and emergency capacity rating of 760 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the West area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2031

Project Name: Escondido-Oro Grande 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2031

Project Description: This project will involve the reconductoring of a 115 kV transmission line from Escondido to Oro Grande with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2031

Project Name: Oro Grande-Amrad 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2031

Project Description: This project will involve the reconductoring of a 115 kV transmission line from Oro Grande to Amrad with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2031

Project Name: Bovee-Valley 69 kV Line (Reconductor)

Operating Voltage: 69 kV

In-Service Date: May 2031

Project Description: This project will involve the reconductoring of a 69 kV transmission line from Bovee to Valley with a minimum normal and emergency capacity rating of 230 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected large load growth in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2031

Project Name: HVDC Tie Replacement (New)

Operating Voltage: 345 kV

In-Service Date: May 2031

Project Description: This project involves options for the replacement of the existing Eddy HVDC Tie.

Project Justification: This existing HVDC Tie is at the end of its lifespan with limited to no availability of replacement of components and equipment. Because of this, options for a new Eddy HVDC Tie replacement are being considered. Actual replacement schedule will be dictated by lead times for equipment and facilities, including engineering integration efforts.

PLANNED PROJECTS
YEAR 2031

Project Name: Amrad 345/115 kV Power Transformer (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2031

Project Description: This project identifies a new additional Amrad 345/115 kV power transformer. The addition of a second Amrad 345/115 kV power transformer has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project will strengthen the reliability of EPE's Transmission System by adding system flexibility under certain contingency conditions.

7.7 Transmission Projects in 2032

PLANNED PROJECTS
YEAR 2032

Project Name: Ascarate-Trowbridge 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2032

Project Description: The project consists of reconductoring the Ascarate to Trowbridge 115 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2032

Project Name: Rattlesnake-Tuskegee 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2032

Project Description: This project consists of constructing a new 115 kV transmission line from Rattlesnake to Tuskegee with a minimum normal and emergency capacity rating of 380 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2032

Project Name: Newman-Milagro 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2032

Project Description: The project consists of reconductoring the Newman to Milagro 115 kV transmission line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2032

Project Name: Tuskegee 345/115 kV Power Transformer (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2032

Project Description: This project identifies a new Tuskegee 345/115 kV power transformer to connect the 345 kV & 115 kV Buses at Tuskegee Substation. The addition of the 345/115 kV power transformer has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project will strengthen the reliability of EPE's Transmission System by adding system flexibility under certain contingency conditions.

PLANNED PROJECTS
YEAR 2032

Project Name: CE-3 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2032

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV Bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Central El Paso area under peak load conditions.

7.8 Transmission Projects in 2033

PLANNED PROJECTS
YEAR 2033

Project Name: Bovee-North Loop 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2033

Project Description: This project consists of constructing a new 115 kV transmission line from Bovee to North Loop with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected generation and load increase in the Far East El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2033

Project Name: Anthony-Newman 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2033

Project Description: This project consists of reconductoring the Anthony to Newman 115 kV Line to increase the capacity of the lines with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2033

Project Name: Jornada-Arroyo 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2033

Project Description: This project consists of reconductoring the Jornada to Arroyo 115 kV Line to increase the capacity of the lines with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2033

Project Name: Alamo-Neely 69 kV Line Reconfiguration (In-and-Out at Tornillo 69 kV Substation)

Operating Voltage: 69 kV

In-Service Date: May 2033

Project Description: The 69 kV Line Reconfiguration consists of splitting the Alamo to Neely 69 kV circuit to introduce the Tornillo 69 kV Substation. The new 69 kV Path will now become the Alamo to Tornillo to Neely 69 kV Path.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2033

Project Name: Tornillo 115/69 kV Power Transformer (New)

Operating Voltage: 115/69 kV

In-Service Date: May 2033

Project Description: This project identifies a new Tornillo 115/69 kV power transformer to connect the 115 kV & 69 kV Buses at Tornillo Substation. The addition of the 115/69 kV power transformer has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project will strengthen the reliability of EPE's Transmission System by adding system flexibility under certain contingency conditions.

7.9 Transmission Projects in 2034

PLANNED PROJECTS
YEAR 2034

Project Name: Tuskegee-Pine 345 kV Circuit 2 (New)

Operating Voltage: 345 kV

In-Service Date: May 2034

Project Description: An additional 345 kV transmission line is planned to be built from Tuskegee Substation to Pine Substation with a minimum normal and emergency capacity rating of 2320 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Anthony-Talavera 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The project consists of reconductoring the Anthony to Talavera 115 kV Line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Arroyo-Apollo 115 kV Line Reconfiguration (In-and-Out at Moongate 115 kV Substation)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The 115 kV Line Reconfiguration consists of splitting the existing Arroyo to Apollo 115 kV circuit to introduce the Moongate 115 kV Substation. The new Path will become the Arroyo to Moongate to Apollo 115 kV Path.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Apollo-Moongate 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The project consists of reconductoring the Apollo to Moongate 115 kV Line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Arroyo-Moongate 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The project consists of reconductoring the Arroyo to Moongate 115 kV Line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Diablo-Verde 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The project consists of reconductoring the Diablo to Verde 115 kV Line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the West El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Marlow-Trowbridge 115 kV Line (Rebuild, Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The project consists of reconductoring the Marlow to Trowbridge 115 kV Line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Newman-McCombs 115 kV Line Circuit 1 (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The project consists of reconductoring the Newman to McCombs 115 kV Line Circuit 1 with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: Newman-McCombs 115 kV Line Circuit 2 (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2034

Project Description: The project consists of reconductoring the Newman to McCombs 115 kV Line Circuit 2 with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2034

Project Name: EA-3 69 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 69 kV

In-Service Date: May 2034

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 69 kV bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the East El Paso area under peak load conditions.

7.10 Transmission Projects in 2035

PLANNED PROJECTS

YEAR 2035

Project Name: Future-4 345/115 kV Substation (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2035

Project Description: This project involves the construction of a new Future-4 345/115 kV Substation. The Future-4 345 & 115 kV Buses will be used to connect multiple circuits at these voltage levels as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. This project has also been identified to increase the reliability of EPE's Transmission System. The additional 345 & 115 kV circuits out of Future-4 will address and mitigate any contingency overloads.

PLANNED PROJECTS
YEAR 2035

Project Name: Future-4-Tuskegee 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2035

Project Description: This project consists of the construction of a new 115 kV transmission line from Future-4 to Tuskegee with a minimum normal and emergency capacity rating of 380 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2035

Project Name: Future-4-Wiwynn 115 kV Line (New)

Operating Voltage: 115 kV

In-Service Date: May 2035

Project Description: This project consists of the construction of a new 115 kV transmission line from Future-4 to Wiwynn with a minimum normal and emergency capacity rating of 380 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2035

Project Name: Arroyo-Talavera 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2035

Project Description: This project will involve the reconductoring of a 115 kV transmission line from Arroyo to Talavera with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2035

Project Name: Montoya-Thorn 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2035

Project Description: This project will involve the reconductoring of a 115 kV transmission line from Montoya to Thorn with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2035

Project Name: Newman-Roberts 115 kV Line Circuit 1 (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2035

Project Description: The project consists of reconductoring the Newman to Roberts 115 kV Line Circuit 1 with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2035

Project Name: Santa Teresa-Verde 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2035

Project Description: This project will involve the reconductoring of a 115 kV transmission line from Santa Teresa to Verde with a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2035

Project Name: Future-4 115 kV 2x15.9 MVAR Capacitor Bank (New)

Operating Voltage: 115 kV

In-Service Date: May 2035

Project Description: The project consists of the addition of a two-stage 15.9 MVAR bus shunt capacitor bank connected to the 115 kV bus.

Project Justification: This project was identified to enhance reactive power support and improve voltage profiles in the Far East El Paso area under peak load conditions.

7.11 Transmission Projects in 2036

PLANNED PROJECTS
YEAR 2036

Project Name: Future-4-Tornillo 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2036

Project Description: A new 345 kV transmission line is planned to be built from Future-4 Substation to Tornillo Substation with a minimum normal and emergency capacity rating of 2320 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2036

Project Name: Future-4-Tuskegee 345 kV Line (New)

Operating Voltage: 345 kV

In-Service Date: May 2036

Project Description: A new 345 kV transmission line is planned to be built from Future-4 Substation to Tuskegee Substation with a minimum normal and emergency capacity rating of 2320 MVA. This project has been identified as an effort to increase the reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project has been identified to increase the reliability of EPE's Transmission System by addressing contingency overloads.

PLANNED PROJECTS
YEAR 2036

Project Name: Caliente-MPS 115 kV Circuit 1 (Partial Reconductor)

Operating Voltage: 345 kV

In-Service Date: May 2036

Project Description: The project consists of partially reconductoring the Caliente to MPS 115 kV Line Circuit 1 with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2036

Project Name: Caliente-MPS 115 kV Circuits 2&3 Common Structure Separation

Operating Voltage: 115 kV

In-Service Date: May 2036

Project Description: The project consists of separating the Caliente to MPS 115 kV transmission lines, Circuits 2 & 3, from their existing common structure.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2036

Project Name: Montoya-Nuway 115 kV Line (Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2036

Project Description: The project consists of partially reconductoring the Montoya to Nuway 115 kV Line with a conductor that provides a minimum normal and emergency capacity rating of 380 MVA.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected large load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2036

Project Name: Rio Grande-Executive-Sunset North 115 kV Path (Rebuild, Reconductor)

Operating Voltage: 115 kV

In-Service Date: May 2036

Project Description: This project involves the reconductoring of a portion of the Rio Grande to Executive to Sunset North 115 kV Path. The rebuilding and reconductoring of this 115 kV Path should be done with a conductor that provides a minimum normal and emergency capacity rating of 760 MVA.

Project Justification: The upgrade is required to address and mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2036

Project Name: Escondido 345/115 kV Power Transformer #2

Operating Voltage: 345/115 kV

In-Service Date: May 2036

Project Description: This project identifies a new Escondido 345/115 kV autotransformer to connect the 345 kV & 115 kV Buses at Alamo Substation.

Project Justification: This project has been identified as part of a facilities upgrade required to address expected commercial and industrial load growth in the Northeast El Paso area. Additionally, the project will allow EPE to mitigate contingency overloads.

PLANNED PROJECTS
YEAR 2036

Project Name: Future-4 345/115 kV Power Transformer (New)

Operating Voltage: 345/115 kV

In-Service Date: May 2036

Project Description: This project identifies a new Future-4 345/115 kV power transformer to connect the 345 kV & 115 kV Buses at Future-4 Substation. The addition of the 345/115 kV power transformer has been identified to increase the strength and reliability of EPE's Transmission System.

Project Justification: This project addresses any expected generation and load growth in the Far East El Paso area. Additionally, this project will strengthen the reliability of EPE's Transmission System by adding system flexibility under certain contingency conditions.